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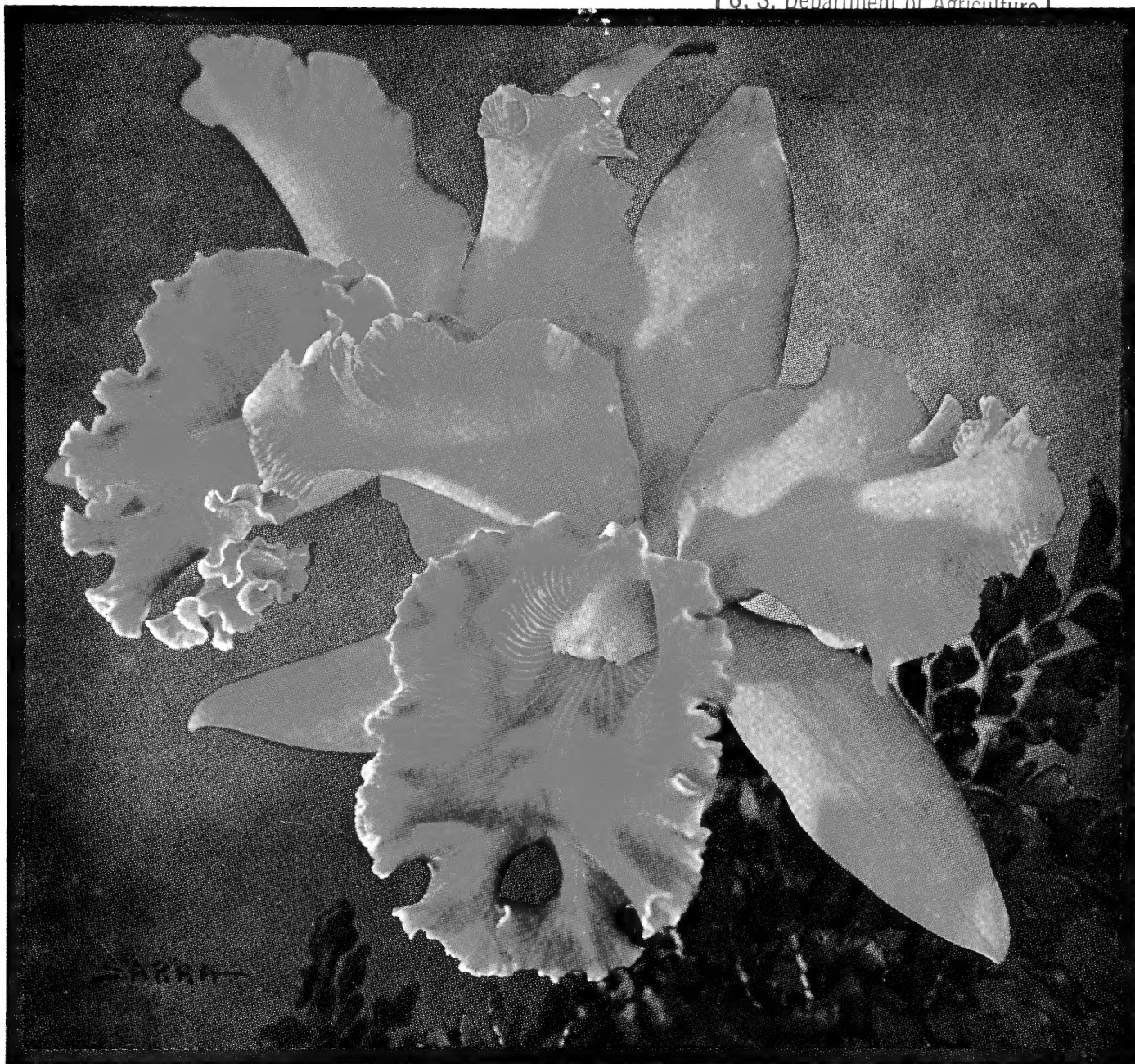
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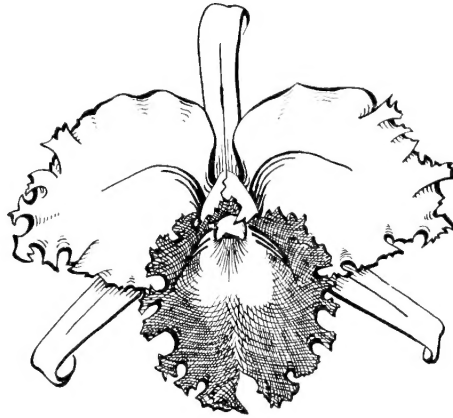
*Blc. Chief Joseph*

Photo by SARRA

# KIESEWETTER ORCHID GARDENS

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## *Ralph R. Kiesewetter's*

many years of experience as an Orchid Hybridist go into the making of every seedling produced at Kiesewetter's Orchid Gardens. Through these years, no effort has been spared to guard and maintain the long-established, strict, and well-recognized policy of Kiesewetter's **SUPERIOR QUALITY PRODUCTION**. Second to none, the very best stud plants procurable are used in each of Kiesewetter's crosses, and every one is guaranteed to be as herein represented.

Wasted years of anticipation and expensive efforts, doomed to end in disappointment, can be avoided by the selection of reliable, modern seedlings based upon the ultimate in technical advancement and developed by the skill and craftiness of a professional hybridist of long experience.

You can select a Kiesewetter seedling with confidence. Our **KNOW-HOW** and **FIDELITY OF PURPOSE** are YOUR **PROTECTION**.

# RALPH R. KIESEWETTER

Of

## Kiesewetter Orchid Gardens

begs to announce that, beginning in 1952, a basically new plant-breeding policy comes into effect. Pursuant with the tenents of a rigid research program, only crosses from laboratory-controlled stud plants will be allowed on the market. Henceforth, all seedlings will bear the stated cytological composition of either parent.

### *An Introductory Note*

by

Dr. James A. de Tomasi

*Research Consultant*

Akin to any other vegetating organism, the orchid plant is made up of living tissues. Tissues, in turn, consist of myriads of individual microscopic cells, each organized as a basic unit, distinct yet clearly dependent upon all others. Why is the cell so significant a unit? Within the sustaining enclosure of the cell wall floats, amidst other constituents, an all-important small body, the cell nucleus. Here is where specialized micro-technique and high-power microscopy come in to help open wider horizons in the search for the orchid of the future.

The nucleus is largely made up of a protein-like substance, the chromatin, so named for its high affinity for biological dyes used in its detection and identification. When a cell is about to divide (as they all do, a ceaseless process that goes on as long as tissues continue to grow), the nucleus undergoes profound changes. Its chromatin, from a seemingly unorganized granular mass, gradually assumes definite shape in the form of separate minute bodies somewhere of the order of one-thousandth of an inch or so in length. These are the chromosomes, the carriers of hereditary units, whose shape and size and number are important differential characteristics. The transmission of hereditary characters from parents to progeny is exclusively the function of chromosomes in specialized cells, the sex cells of flower bud tissue.

In orchid breeding, among other factors, the number of chromosomes possessed by a plant is a primary cytological factor deciding the qualifications of that plant to serve as a worthy parent or stud. Experience accumulated from intense experimentation of the last few years indicates unmistakably that polyploidy, or the presence of more than the number of chromosomes normal for any particular plant group, is a basic prerequisite for a rational and scientific development of superior strains in new crosses. Work in the leading Cattleya family has so far lagged behind because of specific technical difficulties. For some time, we have been active in this field. Our purpose is to develop vastly improved and consistently uniform crosses in terms of plant vigor and productivity as well as of blossom size, color, texture, and keeping qualities.

By leaving behind the hit-and-miss guesswork of the past, and by *genetically* embodying, instead, into our seedlings both polyploidy and the controllable maturity factor, it is our ultimate aim to produce in orchids the best that man can contrive, advancing resolutely with the moving frontiers of science.

## *Foreword*

It is sincerely believed that all basic information needed to evaluate the main characteristics of the parents listed herein can be supplied precisely and to-the-point without undue redundancy. For purposes of clearness and brevity, where feasible, each main class of the following crosses is subtitled with a comprehensive, though conservative, set of carefully checked characters found to hold true for all parents in that class. Concurrently, and advisedly, the wording of individual descriptions has been kept within very few essential terms. So it is with reference to the flowering season, a complement endowed with a considerable degree of pliability. Of course, should further clarification on any of these points be desired, please ask for it in writing.

Please note that the majority of parent plants herein listed are the recipients of one or more Awards of Honor. Others have not as yet been exhibited or entered into Competition. Also, please notice the complete listing here, for the first time anywhere, of the chromosomal assessment for each parent. The identity of color, when specified, is in accordance with Ridgway's Color Standards and Color Nomenclature.

# COLORED ORCHID SEEDLINGS AVAILABLE IN TUBES

Parental Characters: high floriferousness; 3-6 flowers per plant;  
heavy texture; overall diameter 7"—9";  
petal width 3"—3¼"

Very large, exhibition-type flowers expected in progeny

CROSS NUMBER	IDENT. NO. OF PLANT	PARENTAGE	NORMAL FLOWERING SEASON	PRICE
1	Triploid 1153	Lc. Ceylon Topaz Very dark, extra dark lip. X	Late Fall & Winter	\$35.00
	Tetraploid 1600	Lc. Joseph Hampton, var. Roslyn, F.C.C. Medium color, very dark lip, better than 9" in diameter.		
2	Triploid 1400	Lc. Gertrude Hampton, F.C.C. Dark with very dark lip. X	Late Fall & Winter	\$35.00
	Tetraploid 1254	Lc. Miranda, A.M. Magnificent bronze-burnt orange, two yellow eyes in lip.		
3	Triploid 1339	Lc. Tokyo Rose Very dark, extra dark lip, extremely free flowering. X	Late Winter	\$35.00
	Tetraploid 1136	Lc. Ishtar, F.C.C. Dark, very dark lip, a well-proven stud.		
4	Triploid 1415	Lc. Trail's End, F.C.C. Medium to very dark, extremely dark lip, 3½" wide petal. X	Winter to Early Spring	\$35.00
	Tetraploid 1501	Lc. Cassandra, F.C.C. Comparable to Lc. Trail's End, 3¼" wide petal.		
5	Triploid 1425	Lc. Mrs. Hanmer, A.M. Very dark, extra dark lip. X	Winter	\$35.00
	Tetraploid 1174	Lc. Lucifer Medium color, very dark lip, up to 8" in diameter, 3½" wide petal, outstanding shape.		

## COLORED ORCHID SEEDLINGS IN TUBES (continued)

CROSS NUMBER	IDENT. NO. OF PLANT	PARENTAGE	NORMAL FLOWERING SEASON	PRICE
6	Triploid 1400	Lc. Gertrude Hampton, F.C.C. Dark, with very dark lip. X	Winter	\$35.00
	Tetraploid 1295	Bc. Heather Queen Very dark, extra dark lip, strikingly yellow eyes, 8" in diameter.		
7	Triploid 1412	Lc. Cuesta Gorgeously dark, very dark lip, truly a modern flower in all respects, 7½" in dia- meter. X	Winter	\$35.00
	Tetraploid 1010	Lc. Hilary, F.C.C. Has produced some of the finest hybrids in cultivation today, dark, very dark lip, 3¼" wide petal.		
8	Triploid 1412	Lc. Cuesta Gorgeously dark, very dark lip, truly a modern flower in all respects, 7½" in dia- meter. X	Winter to Early Spring	\$35.00
	Tetraploid 1498	Lc. Areca, var. Model, F.C.C. Comparable in excellence to Lc. Hilary and Lc. Cuesta.		
9	Triploid 1425	Lc. Mrs. Hanmer, A.M. Very dark, extra dark lip. X	Winter to Early Spring	\$35.00
	Tetraploid 1100	Lc. Hertha, F.C.C. Dark, very dark lip, outstanding in size and shape.		
10	Triploid 1153	Lc. Ceylon Topaz Very dark, extra dark lip. X	Late Fall & Winter	\$35.00
	Tetraploid 1257	Lc. Princess Margaret, var. Bonnycrest Huge, medium color, dark lip, one of the finest of the type, 3½" wide petal.		

## COLORED ORCHID SEEDLINGS IN TUBES (continued)

CROSS NUMBER	IDENT. NO. OF PLANT	PARENTAGE	NORMAL FLOWERING SEASON	PRICE
11	Triploid 1161	Lc. Crowborough, F.C.C. Excellent flower, comparable to Lc. Ishtar.	Winter to Early Spring	\$35.00
		X		
	Tetraploid 1600	Lc. Joseph Hampton, var. Roslyn, F.C.C. Medium color, very dark lip, better than 9" in diameter.		
12	Triploid 1500	Bc. David Adams Dark, extra dark lip, one of the finest Brassos in cultivation.	Winter to Early Spring	\$35.00
		X		
	Tetraploid 1136	Lc. Ishtar, F.C.C. Dark, very dark lip, a well-proven stud.		
13	Triploid 1412	Lc. Cuesta Gorgeously dark, very dark lip, truly a modern flower in all respects, 7½" in diameter.	Late Fall and Early Winter	\$35.00
		X		
	Tetraploid 1175	Lc. Princess Margaret, var. Stonehurst Same as 1257, but darker.		
14	Triploid 1115	Slc. Radians, A.M., F.C.C., G.M.W. Ox-blood red, lip a shade darker, primarily outstanding for color and texture, 4" in diameter.	Early Spring	\$35.00
		X		
	Tetraploid 1600	Lc. Joseph Hampton, var. Roslyn, F.C.C. Medium color, very dark lip, better than 9" in diameter.		
15	Triploid 1115	Slc. Radians, A.M., F.C.C., G.M.W. Ox-blood red, lip a shade darker, primarily outstanding for color and texture, 4" in diameter.	Early Spring	\$35.00
		X		
	Tetraploid 1389	C. Labiata One of the finest known of this type.		

# VERY CHOICE YELLOW COMBINATIONS, COMMUNITY POT SIZE SEEDLINGS

## INDIVIDUAL PLANTS AVAILABLE FOR SHIPMENT THIS FALL

Parental Characters: floriferousness; 2-3 flowers per plant; heavy texture;  
overall diameter 5"—6"; petal width 2"—3"

Due to out new method of growing seedlings, these plants will be shipped dry.

CROSS NUMBER	IDENT. NO. OF PLANT		PARENTAGE	NORMAL FLOWERING SEASON	PRICE
16	Triploid	1243	Blc. Consul Greig Orange-yellow, crimson lip, 3" wide petal. X	Late Fall and Winter	\$2.00
	Tetraploid	650	C. Robert H. Jewell, F.C.C. Two-tone yellow with bronze overcast, scarlet red lip, 6" in diameter, 3" wide petal.		
17	Triploid	1410	Blc. Chief Joseph Sulphur to orange-shaded yellow, lip — purple-red. X	Late Fall and Winter	\$2.00
	Diploid	1220	C. Hardyana, var. Mrs. Clement Moore Light orange-yellow, purple-violet lip.		
18	Triploid	1273	Blc. Aprica	Mid-Winter	\$2.00
			X		
	Tetraploid	1112	Blc. The Baroness	Both parents Empire yellow throughout.	

**NOTE:** While seedlings from yellow crosses come generally true, owing to the intricacy of the genetic combinations involved, an occasional seedling color deviation is not to be excluded.

## CHOICEST PURE WHITES, IN TUBES AND COMMUNITY POTS

Parental characters: High floriferousness; 3 — 7 flowers per plant; very heavy texture, overall diameter 6" — 7½"; petal width 3"—3¼"; crossing from the following parents already proven to come exceptionally uniform; the outstanding standards of all these parents universally known, speak for themselves and need no elaborate individual introduction.

CROSS NUMBER		IDENT. NO. OF PLANT	PARENTAGE	NORMAL FLOWERING SEASON	PRICE
19	Triploid	1350	C. Barbara Dane	October to June	\$35.00
			X		
	Tetraploid	1190	C. Snowden, var. Temperland		
20	Triploid	59	C. Joyce Hannington, F.C.C.	Nov. to June	\$35.00
			X		
	Diploid	1434	C. Estelle		
21	Triploid	59	C. Joyce Hannington, F.C.C.	Nov. to June	\$35.00
			X		
	Tetraploid	1190	C. Snowden, var. Temperland		
22	Triploid	1437	C. Bow Bells, A.M.	Dec. to June	\$35.00
			X		
	Triploid	59	C. Joyce Hannington, F.C.C.		

# CHOICE LARGE FLOWERING WHITES

## with Colored Lips, in 3" Pots

Parental characters: High floriferousness; 3-5 flowers per plant, very heavy texture,  
overall diameter 5½"—7", petal width, 3"—3½",  
proven high uniformity in their crossings.

CROSS NUMBER	IDENT. NO. OF PLANT	PARENTAGE	NORMAL FLOWERING SEASON	PRICE
23	Diploid 1146	C. Labiata, var. alba Good solid color in lip, excellent shape.	Fall to Spring	\$7.50
		X		
	Triploid 1258	C. Lorna, var. Corona, A.M. A unique specimen, lip scarlet red with white frilled edge, 6½" in diameter, 3½" wide petal.		
24	Triploid 1258	C. Lorna, var. Corona, A.M. A unique specimen, lip scarlet red with white frilled edge, 6½" in diameter, 3½" wide petal.	Winter to Early Spring	\$7.50
		X		
	Tetraploid 1178	Lc. Cynthia, var. Majestica, F.C.C. Excellent dark lip, 7" in diameter.		
25	Triploid 1165	Blc. Nanette Lip white with central color stripe 8" in diameter.	Late Fall and Winter	\$7.50
		X		
	Tetraploid 1178	Lc. Cynthia, var. Majestica, F.C.C. Excellent dark lip, 7" in diameter.		
(Outstanding uniformity already proven in this cross.)				

*You are cordially invited to visit our  
greenhouses, located only 20 miles  
from New York City.*

**KIESEWETTER ORCHID GARDENS**

R.F.D. ROSLYN, NEW YORK

TEL. GARDEN CITY 7-8396

# INDIVIDUAL PHALAENOPSIS SEEDLINGS

Approximately 2" in Diameter  
Are Available in These Fine Crosses

All following parents chosen for exceptional size, texture and  
flower-production, spike development and habit of growth.

CROSS NUMBER	IDENT. NO. OF PLANT		PARENTAGE	PRICE
K1	Triploid	No. 3	Phal. Doris	\$ 5.00
			X	
	Tetraploid	No. 2	Phal. Aphrodite Excellent in shape, pure white, heavy-textured.	
K2	Triploid	No. 3	Phal. Doris	\$ 7.50
			X	
	Tetraploid	No. 1	Phal. Cast Iron Monarch, var. A.M. Large, pure white, heavy-textured flowers of exceptional quality.	
K3	Triploid	No. 5	Phal. Elisabethae	\$ 5.00
			X	
	Tetraploid	No. 2	Phal. Aphrodite Very large, pure white flowers, heavy-textured, excellent shape and form.	
K4	Triploid	No. 4	Phal. Summer Cloud	\$ 5.00
			X	
	Tetraploid	No. 1	Phal. Cast Iron Monarch, var. A.M. Excellent large heavy-textured, well-shaped, pure white flower.	
K5	Tetraploid	No. 1	Phal. Cast Iron Monarch, var. A. M. X Selfed This phal. is in a class all of its own.	\$10.00

# INDIVIDUAL VANDA SEEDLINGS in 2½" and 3" POTS

## available in the following crosses

Some of the finest parents in cultivation were used to produce these seedlings.

CROSS NUMBER	PARENTAGE	PRICE
136	<b>Vanda Sanderiana, A.M.</b> X <b>Selfed</b> Combination of light pink, brown, green, 3½"—4½" in diameter.	\$ 5.00
SKA 67	<b>Vanda Manila</b> Shell pink dotted with fine dark red markings, 3½"—4½" in diameter. X <b>Vanda Rothschildiana</b> Deep sky-blue with indigo lip.	\$ 5.00
SKA 57	<b>Vanda Sanderiana, A.M.</b> Combination of light pink, brown, green, 3½"—4½" in diameter. X <b>Vanda Rothschildiana</b> Deep sky-blue with indigo lip.	\$ 5.00
SKA 30	<b>Vanda Dearei</b> Very heavy substance, medium size, canary yellow throughout, 1½" in diameter. X <b>Vanda Rothschildiana</b> Deep sky-blue with indigo lip.	\$ 5.00
K 55	<b>Vanda Sanderiana, A.M.</b> Combination of light pink, brown, green, 3½"—4½" in diameter. X <b>Vanda Coerulea</b> Uniform solid sky-blue, 3" in diameter.	\$ 5.00

# GENERAL INFORMATION and SPECIAL INSTRUCTIONS

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## SEEDLINGS IN TUBES

Seedlings in tubes will be shipped dry; that is, removed from the agar-agar and put back into the tubes dry. This prevents the stirring up of seedlings during shipment. Seedlings in tubes are never offered for sale until they are ready for transplanting into community pots. To avoid excessive losses, prepare your community pots in advance and plan to transplant seedlings upon arrival.

CUSTOMERS WHO WISH TO GROW ON THEIR SEEDLINGS FOR A WHILE LONGER IN THE TUBES SHOULD PLAN TO PICK THEM UP HERE AT KIESEWETTER'S ORCHID GARDENS.

## ORDERING

Orders may be placed early to reserve your selections, but shipments will be made only when weather conditions permit safe delivery to your door. Orchid plants must be guarded against chilling since they may not recover from the set-back suffered. The safe shipping period opens about April 15th and continues through October. If shipment is made to a cold area, you should plan to pick up the parcel immediately upon arrival, thus averting delays and exposure in unheated delivery trucks.

When you place your order, please mention a second choice, if you have one. NO SUBSTITUTIONS WILL BE MADE WITHOUT SPECIFIC INSTRUCTIONS FROM YOU.

PRINT OR TYPE YOUR NAME AND ADDRESS CLEARLY.

INCLUDE DEFINITE SHIPPING INSTRUCTIONS WITH ALL ORDERS.

Please specify whether you wish your package sent by Air Mail, Air Parcel Post, regular mail, Air Express, Air Freight, or Railway Express.

## SHIPPING

Selection is unfailingly made from the finest and largest plants available in each lot of the cross in your order; however, please remember that all crosses do not attain the same size at the same time, therefore, do not expect to receive seedlings all of equal size when ordering various crosses. They may or may not be so, and the explanation is simple: all of the tubes are not started at the same time, therefore, the period of growth varies in each case placing different crosses at an individual stage of development. Furthermore, different parent plants evidence different growing habits often reflected in the seedlings produced by these plants. Also, the amount and intensity of sunlight during any one season plays an important part in the growth of plants: seedling size from the same cross may vary somewhat

from one year to another. Be assured that you will receive the best from the lot that you have ordered.

ALL SHIPMENTS ARE MADE F.O.B. ROSLYN, L.I., NEW YORK and there is no additional charge made for packing.

## SHIPPING CHARGES

All freight and express packages marked for delivery within the boundaries of continental United States will be sent COLLECT. When prepayment of postage is required, we will advance the necessary charges and a statement will be forwarded to you following shipment. Prompt reimbursement of these charges will be appreciated.

## INSURANCE

All packages will be insured to the full value of their contents except when they are to travel by mail. The U. S. Post Office will not accept parcels containing plants for insurance. Our careful attention will be given to adequate insulation, secure wrapping, and labeling, but further responsibility after the parcel leaves our hands must be assumed by the customer.

## PAYMENT

All orders are payable in U.S. Dollars; check, cash, or money order should accompany your order, unless previous arrangements have been made to open a credit account. When cash is used for payment, please send by Registered Mail for safe delivery.

ALL ITEMS LISTED ARE SUBJECT TO PRIOR SALE.

## Non-Warranty

I, Ralph R. Kiesewetter, of Kiesewetter Orchid Gardens, give no warranty, express or implied, as to the productiveness of any of the plants sold and will not be in any way responsible for the crop. My liability in all instances is limited to the purchase price of these plants.

Kiesewetter Orchid Plants and Seedlings

*are available only from*

KIESEWETTER ORCHID GARDENS  
R. F. D. ROSLYN, L. I., NEW YORK

Phone: Garden City 7-8396

*and its accredited representative*

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## KIESEWETTER'S ORCHID GARDENS

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